

## ABSTRACT OF THE DISCLOSURE

A method of taking an extended X-ray photograph by using an ~~an film~~ cassette devised to contain a longer ~~X-ray film~~ <sup>digital X-ray machine</sup> such that a longer complete image of a subject may be rendered such that no diagnostic information is lost in examinations of scoliosis or the long bones of the body. When the cassette is exposed to X-rays through an object, an X-ray transmission image of the object is recorded on a stimuable phosphor sheet and, at the same time, the X-ray film is exposed to light instantaneously emitted from the stimuable phosphor sheet upon exposure to X-rays to record an extended photographic latent image of the X-ray transmission image of the object on the X-ray film.